

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/23694

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G08G 1/16; H04B 7/185

US CL : 370/336; 701/213, 301; 342/357.06, 357; 455/423,456

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 370/335,336,342; 701/213, 301; 342/357.06, 357; 455/423,456

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST, WEST, DERWENT, ACM, IEEE, IBM

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/0022927 A1 (LEMELSON et al.) 21 February 2002, Paragraphs [0096], [0100], [0101], [0106], [0108], [0170].	1-101
Y	US 5,982,324 (WATTERS et al.) 09 November 1999, col. 2, lines 29-59, col. 3, lines 45-65, col. 4, lines 9-12, col. 10, lines 9-19, 47 through col. 11 to line 16, col. 12, lines 9-19, 40-67, col. 13, lines 1-54, col. 14, lines 63 through col. 16 to line 6, line 10 through col. 18 to line 3, col. 19, lines 35-45, col. 20, lines 14 through col. 21 to lines 32, col. 24, lines 7-34.	1-28, 73-75, 77-81, 90-95, 100, 101
A	US 5,812,087 (KRASNER) 22 September 1998, entire document	1-101
A	US 6,081,229 (SOLIMAN et al.) 27 June 2000, entire document	1-101
A	US 6,516,270 B2 (PAVLAK et al.) 04 February 2003, entire document.	1-101
Y	US 6,289,280 B1 (FERNANDEZ-CORBATON et al.) 11 September 2001, col. 2, lines 38-67, col. 3, lines 1-47, col. 5, lines 4-61, col. 7, lines 24-34, 44-50, col. 8, lines 5-17, col. 9, lines 13-22, col. 10, lines 12 through col. 11, lines 1-8 and col. 17, lines 10-36.	1-28, 73-75, 77-81, 90-95, 100, 101

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

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later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

14 February 2005 (14.02.2005)

Date of mailing of the international search report

07. MAR 2005

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